

1/3,AB/1 (Item 1 from file: 351)
DIALOG(R)File 351:Derwent WPI
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WPI Acc No: 1999-025961/199903

XRPX Acc No: N99-019935

Soft swap hand-off carrying out method for cellular CDMA system -
allocating base station with biggest pilot signal strength to mobile
station if pilot signal strength is bigger than first predetermined value

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (SMSU)

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Number of Countries: 008 Number of Patents: 011

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19824160	A1	19981203	DE 1024160	A	19980529	199903 B
FR 2764157	A1	19981204	FR 986800	A	19980529	199904
GB 2327574	A	19990127	GB 9811537	A	19980529	199907
JP 10336723	A	19981218	JP 98144181	A	19980526	199910
GB 2327574	B	19990714	GB 9811537	A	19980529	199930
CN 1204222	A	19990106	CN 98108924	A	19980522	200007
KR 98085642	A	19981205	KR 9721780	A	19970529	200008
US 6049716	A	20000411	US 97965082	A	19971106	200025
RU 2144263	C1	20000110	RU 98110496	A	19980528	200048
US 6154653	A	20001128	US 97965082	A	19971106	200063
			US 9887362	A	19980529	
KR 214293	B1	19990802	KR 9721780	A	19970529	200104

Priority Applications (No Type Date): KR 9721780 A 19970529

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19824160	A1	11		H04Q-007/38	
FR 2764157	A1			H04Q-007/20	
GB 2327574	A			H04Q-007/38	
JP 10336723	A	8		H04Q-007/22	
GB 2327574	B			H04Q-007/38	
CN 1204222	A			H04Q-007/22	
KR 98085642	A			H04B-001/69	
US 6049716	A			H04Q-007/20	
RU 2144263	C1			H04B-007/26	
US 6154653	A			H04Q-007/20	CIP of application US 97965082
KR 214293	B1			H04B-001/69	

Abstract (Basic): DE 19824160 A

The method involves allocating a mobile station to several base stations. The mobile station receives pilot signals from at least a different base station. The allocation of the mobile station to the base station with the lowest pilot signal strength is abolished if one of the other base stations has a pilot signal strength bigger than a first predetermined value (TDD) and bigger than the lowest pilot signal strength of the allocated base stations.

The non-allocated base station with the biggest pilot signal strength is allocated if the pilot signal strength is bigger than the first predetermined value. Preferably, the allocation abolishing is only carried out if at least one of the other base stations has a pilot signal strength which is bigger about a second predetermined value (TCOMP) than the lowest pilot signal strength of the allocated base

stations.

USE - For radio telephones.

ADVANTAGE - Increases hand-off efficiency and transmission quality.

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1/3,AB/2 (Item 1 from file: 345)
DIALOG(R)File 345:Inpadoc/Fam.& Legal Stat
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Basic Patent (No,Kind,Date): CN 1204222 A 990106 <No. of Patents: 001>

SOFT SWAP HANDOFF METHOD IN CDMA CELLULAR SYSTEM (English)

Patent Assignee: SAMSUNG ELECTRONICS CO LTD (KR)

Author (Inventor): JEONG JIN-SOO (KR)

IPC: *H04Q-007/22;

Language of Document: Chinese

Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
CN 1204222	A	990106	CN 98108924	A	980522 (BASIC)

Priority Data (No,Kind,Date):

CN 98108924 A 980522